

SUBSCRIBER INTERFACE PROTECTION CIRCUIT

Abstract

The present invention relates to a monolithic component of protection of a line against overvoltages . than a determined positive threshold or smaller than a determined negative threshold, including in antiparallel a cathode-gate thyristor (Th1) and an anode-gate thyristor (Th2), the gate of the cathode-gate thyristor being connected to a negative threshold voltage (-V) via a gate current amplification transistor (T1), the gate of the anode-gate thyristor being connected to a positive threshold voltage (+V). The monolithic component is made in a substrate divided into wells separated by isolating walls (3, 4), the smaller surfaces of which are coated with insulating layers (5, 6), the smaller surface of the substrate being uniformly coated with a metallization (M1).

Fig. 4B.